

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 10/30/2020 09:38 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124066	-1	3.40	124032	3.39
Blue	F	SSC	125000	124310	-1	1.64	124957	1.63
Blue	E	FITC	15892	15396	-4	2.98	336	21.36
Blue	D	PE	29999	28964	-4	2.12	630	15.77
Blue	B	PerCP-Cy5-5	43732	43106	-2	3.85	1150	21.49
Blue	A	PE-Cy7	30845	30474	-2	6.57	577	45.03
Red	C	APC	46112	44605	-4	2.45	1575	12.23
Red	A	APC-Cy7	30458	29584	-3	2.36	784	12.39
Violet	B	V450	7918	7488	-6	4.36	429	13.01
Violet	A	V500	32171	31205	-4	4.22	730	10.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16930	20.40	658	37	N/A	N/A	Pass
Blue	F	SSC	57319	1.25	588	29	N/A	N/A	Pass
Blue	E	FITC	61	68.96	556	13	0.0177	174	Pass
Blue	D	PE	132	54.20	562	14	0.1488	312	Pass
Blue	B	PerCP-Cy5-5	215	54.00	671	15	0.0083	114	Pass
Blue	A	PE-Cy7	108	111.19	717	19	0.0090	17	Pass
Red	C	APC	376	25.80	589	5	0.0242	181	Pass
Red	A	APC-Cy7	174	29.45	561	5	0.0051	869	Pass
Violet	B	V450	65	60.65	465	7	0.0563	2474	Pass
Violet	A	V500	108	34.00	481	7	0.0236	821	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.35	-31.87	0.99
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.43
Red	15.02	13.60 - 20.40	N/A	N/A	29.34	29.74	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9728

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments